

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

REGULATION OF IMMUNE RESPONSES BY MANIPULATION OF INTERMEDIARY METABOLITE LEVELS

the specification of which

(check one) _____ is attached hereto.

____X____ was filed on February 27, 2003, as U.S. Patent Appl. Ser. No. 10/375,906

_____ and was amended on _____, 20____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37 Code of Federal Regulations §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
_____	_____	_____	_____	_____
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No

I hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 156(a) which occurred between the filing date of the prior application and the national or PCT international filing date of the application:

(Application Serial No.)	(Filing Date)	(Status-patented, pending, abandoned)
_____	_____	_____
(Application Serial No.)	(Filing Date)	(Status-patented, pending, abandoned)
_____	_____	_____

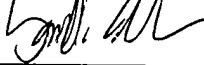
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Ronald C. Fedus, Esq., Reg. No. 32,567

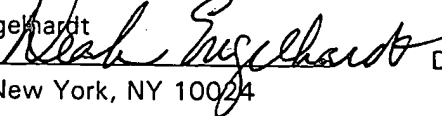
Yaron Ilan et al.
Serial No.: 10/375,906
Filed: February 27, 2003
Page 2 (Declaration for Patent Application)


Address all telephone calls to : Ronald C. Fedus, Esq. at telephone no. (212) 583-0100
Address all correspondence to: Ronald C. Fedus, Esq., Corporation & Patent Counsel
Enzo Therapeutics, Inc.
c/o Enzo Biochem, Inc.
527 Madison Avenue - 9th Floor
New York, New York 10022-4304

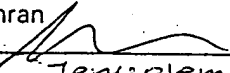
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of sole or first inventor: Yaron Ilan 
Second Inventor's signature: _____ Date 4/11/03
Residence: 4/5 Yehoshua Bitzur Street, Givat Masua, Jerusalem 96400, Israel
Post Office Address or (Same as above): _____

Name of sole or second inventor: Maya Margalit
Second Inventor's signature: _____ Date 4/12/03
Residence: c/o Sara Shilon, 1 Ibn Sima Street, Jaffa 68033, ISRAEL
Post Office Address or (Same as above): _____

Name of sole or third inventor: Dean L. Engelhardt
Third Inventor's signature:  Date 4/15/03
Residence: 173 Riverside Drive, Apt. 6D, New York, NY 10024
Post Office Address or (Same as above): _____

Name of sole or fourth inventor: Elazar Rabbani
Fourth Inventor's signature:  Date 4/15/03
Residence: 69 Fifth Avenue, Apt. 19A, New York, NY 10003
Post Office Address or (Same as above): _____

Name of sole or fifth inventor: Ari Zimran
Fifth Inventor's signature:  Date 13/Apr/03
Residence: 14 Radishon Street, Jerusalem 91031, Israel
Post Office Address or (Same as above): same



RECEIVED
12/11/03

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

NOVEMBER 25, 2003

PTAS



102472202A

ENZO THERAPEUTICS, INC.
RONALD C. FEDUS, ESQ.
527 MADISON AVENUE, 9TH FL.
NEW YORK, NY 10022

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/05/2003

REEL/FRAME: 014153/0785
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ILAN, YARON

DOC DATE: 04/10/2003

ASSIGNOR:

MARGALIT, MAYA

DOC DATE: 04/12/2003

ASSIGNOR:

ENGELHARDT, DEAN L.

DOC DATE: 04/15/2003

ASSIGNOR:

RABBANI, ELAZAR

DOC DATE: 04/15/2003

ASSIGNOR:

ZIMRAN, ARI

DOC DATE: 04/13/2003

ASSIGNEE:

ENZO THERAPEUTICS, INC.
60 EXECUTIVE BOULEVARD

FARMINGDALE, NEW YORK 11735-4716

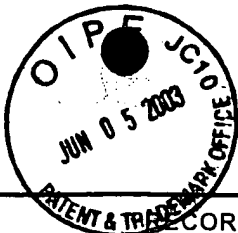
014153/0785 PAGE 2

SERIAL NUMBER: 10375906
PATENT NUMBER:

FILING DATE: 02/27/2003
ISSUE DATE:

THERESA FREDERICK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

COPY



Form PTO-1595

(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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RECORDATION FORM COVER SHEET

PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

First Inventor Yaron Ilan, Second Inventor
Maya Margalit, Third Inventor Dean L.
Engelhardt, Fourth Inventor: Elazar Rabbani,
Fifth Inventor Ari Zimran

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

2. Name and address of receiving party(ies)

Name: Enzo Therapeutics, Inc.

Internal Address: _____

Street Address: 60 Executive BoulevardCity: Farmingdale State: NY Zip: 11735-

4716

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 4/10/03, 4/12/03, 4/15/03, 4/15/03, and 4/13/03

4. Application number(s) or patent number(s):

10/375,906 filed February 27, 2003

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Ronald C. Fedus, Esq.
Enzo Therapeutics, Inc.
Internal Address: c/o Enzo Biochem, Inc.

Street Address: 527 Madison Avenue, 9th Fl.City: NY State: NY Zip: 100226. Total number of applications and patents involved: 7. Total fee (37 CFR 3.41).....\$ 40.00

- ☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number: 05-1135

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Ronald C. Fedus

Name of Person Signing

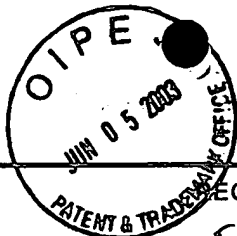
Signature

June 4, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231



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(Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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6-5-03 PATENT 102472202

DEPARTMENT OF COMMERCE
Patent and Trademark Office

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1. Name of conveying party(ies):

First Inventor Yaron Ilan, Second Inventor
Maya Margalit, Third Inventor Dean L.
Engelhardt, Fourth Inventor: Elazar Rabbani,
Fifth Inventor Ari ZimranAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

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☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

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Name: Enzo Therapeutics, Inc.

Internal Address: _____

Street Address: 60 Executive BoulevardCity: Farmingdale State: NY Zip: 11735-
4716Additional name(s) & address(es) attached? ☐ Yes ☒ NoExecution Date: 4/10/03, 4/12/03, 4/15/03,
4/15/03, and 4/13/03

4. Application number(s) or patent number(s):

10/375,906 filed February 27, 2003

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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Name: Ronald C. Fedus, Esq.Enzo Therapeutics, Inc.Internal Address: c/o Enzo Biochem, Inc.6. Total number of applications and patents involved: ☐7. Total fee (37 CFR 3.41).....\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number: 05-1135

(Attach duplicate copy of this page if paying by deposit account)

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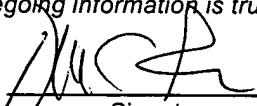
Street Address: 527 Madison Avenue, 9th Fl.City: NY State: NY Zip: 10022

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Ronald C. Fedus

Name of Person Signing


SignatureJune 4, 2003

Date

Total number of pages including cover sheet, attachments, and documents: 3Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned,

As a below named inventor, I hereby declare that:

Yaron Ilan,
Maya Margalit,
Dean L. Engelhardt,
Elazar Rabbani and
Ari Zimran

RESIDING AT:

4/5 Yehoshua Bitzur Street, Givat Masua, Jerusalem 96400 Israel,
c/o Sara Shilon, 1 Ibn Sinna Street, Jaffa 68033, Israel

173 Riverside Drive, Apt. 6D, New York, NY 10024

69 Fifth Avenue, Apt. 19A, New York, N.Y., 10003,

14 Hadishon Street, Jerusalem 91031, Israel

, respectively;

Hereby sell, assign and transfer to: Enzo Therapeutics, Inc., a corporation of the State of New York, having a principal place of business at: 60 Executive Boulevard, Farmingdale, New York 11735-4716, its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled:

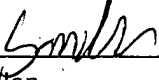
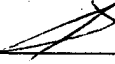
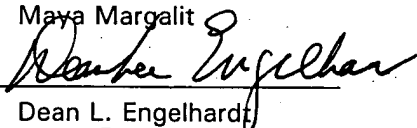

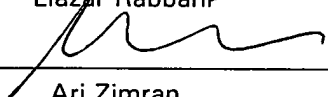
REGULATION OF IMMUNE RESPONSES BY MANIPULATION OF INTERMEDIARY METABOLITE LEVELS

(said application having been filed on February 27, 2003 and accorded U.S. Patent Application Serial No. 10/375,906)

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements:

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name, and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers, communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

 _____ Yaron Ilan	<u>4/14/03</u> _____ (date)
 _____ Maya Margalit	<u>4/12/03</u> _____ (date)
 _____ Dean L. Engelhardt	<u>4/15/03</u> _____ (date)
 _____ Elazar Rabbani	<u>4/15/03</u> _____ (date)
 _____ Ari Zimran	<u>Apr 13, 2003</u> _____ (date)

* * * * *